

What is claimed is:

1. Process for manufacturing screening and humidifying panels and in particular for avicultural facilities or greenhouses comprising the steps of shaping the cardboard sheets with non-rectilinear undulated channels by means of sequential pressing of the individual channels and gluing together of the sheets arranged with alternating different mutual inclination of the channels.
- 5 2. Process in accordance with claim 1 wherein each channel has end sections near the edges of the sheet which will constitute inlet outlet sides of the panel and which are virtually at a right angle to said edges and inclined sections for connection of said end sections.
- 10 3. Process in accordance with claim 1 wherein each channel has end sections near the edges of the sheet which will constitute inlet outlet sides of the panel and which are inclined with respect to said edges and sections virtually at a right angle to said edges for connection of said end sections.
- 15 20 4. Process in accordance with claim 1 wherein pressing takes place by means of a plurality of die sections each representing at least part of a channel and moved to press the cardboard sequentially.
- 25 5. Process in accordance with claim 1 wherein the sheets are cut in lozenge shape before pressing to compensate for the contraction produced by the pressing.
6. Process in accordance with claim 1 wherein the sheets are made from a continuous strip of cardboard extending in the direction of the contraction produced by the pressing

00000000000000000000000000000000

and are cut from the strip after pressing.

1. Screening and humidifying panel in particular for avicultural facilities or greenhouses and formed from cardboard sheets shaped by pressing with non-rectilinear undulated channels and glued together arranged with different mutual alternating inclination of the channels.

5 8. Panel in accordance with claim 7 wherein each channel has end sections near the sheet edges which constitute inlet and outlet sides of the panel and which are virtually at a right angle to said edges and inclined sections for connection of said end sections.

10 9. Panel in accordance with claim 7 wherein each channel has end sections near the sheet edges which will constitute inlet outlet sides of the panel and which are inclined with respect to said edges and sections virtually at a right angle to said edges and which are for connection of said end sections.

15 10. Press for obtaining deformed cardboard sheets for manufacturing screening and humidifying panels in particular for avicultural facilities or greenhouses and comprising a die made up of a plurality of segments each representing at least part of a channel and moving sequentially to press the cardboard starting from one end of the press.

20 25 11. Press in accordance with claim 10 wherein the segments of the plurality are supported elastically on a moving press table to press sequentially the cardboard upon operation of the moving press table.

09432046 044300

AJD:b3